PRIMAVERA

Connecting Oracle Identity Manager 11g to Primavera Unifier Release 15.1

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Using Oracle Identity Manager with Primavera Unifier

This document assists administrators in configuring Oracle Identity Manager (OIM) to use with Primavera Unifier. OIM is an enterprise-level identity management system that centrally administers user accounts and access privileges. OIM manages the entire user identity lifecycle to help your organization meet changing business and regulatory requirements and provides essential auditing, reporting, and compliance functionality.

About Connecting Oracle Identity Manager 11g to Primavera Unifier

The OIM connector has three folders:

- **JavaTasks** has a jar file to communicate with Primavera Unifier.
- **Resources/XML** has xml files to import into OIM.
- **ThirdParty** has third party jars that the connector must use.

As an administrator, you can take advantage of the OIM connector to provision Primavera Unifier users. The OIM connector helps you administer the complete user identity life cycles of Primavera Unifier users. As a primary example, when you create a new user in OIM, it will also create a new user with the same user login name, email address, and personal name in the Primavera Unifier database.

The core attributes and operations supported by the connector are listed below.

Attributes

The following user attributes are managed:

> **Note**: OIM will provision all attributes except the password.

- Login Name
- Password
- First Name
- Last Name
- E-mail Address

Operations

The following operations are supported:

- Create User: Add a new user in Primavera Unifier via OIM.
- Modify User: Modify an attribute, such as an e-mail address, in Primavera Unifier via OIM.
- Disable User: Disable a user's access to the application via OIM.
- Enable User: Enable a user's access to the application via OIM.

Prerequisites Before Configuring OIM

Before you configure OIM with Primavera Unifier, you need to check the following in OIM:

1) Verify the System Properties.
2) Update the Lookups.
3) Create and publish a sandbox environment to hide the admin menu from non-admin users.

Installing the OIM 11g R2 Application

Follow the steps below to install OIM and the other applications needed to use OIM:

> **Note**: For the full list of system requirements and versions, see the Tested Configurations document under “Installation and Configuration Documentation” in the Primavera Unifier Online Documentation Library.

1) Install Oracle Identity Manager (OIM). For details, refer to the *Oracle Fusion Middleware Online Documentation Library 11g Release 2* available at: http://www.oracle.com/technetwork/middleware/id-mgmt/documentation/index.html.
2) After installing and configuring the Oracle Identity Manager Server for the first time, you must start the Oracle Identity Manager Managed Server. For details, refer to the *Oracle Fusion Middleware Online Documentation Library 11g Release 2* available at: http://www.oracle.com/technetwork/middleware/id-mgmt/documentation/index.html.
3) Install Primavera Unifier:
   a. Verify the installation works.
   b. Open the Unifier Configurator.
   c. In the **Authentication** tab, in the User Authentication Type field, select **OIM/OAM**.

Verifying System Properties

To verify the system properties:

1) Login to **Identity System Administration** as an administrative user (for example, xelsysadm).
2) Under **System Management**, select **System Configuration**.
3) Locate **OIM.Provisioning** and ensure the **Value** field shows **ON**.
4) Locate **XL.EnableDisabledResources** and ensure the **Value** field shows **TRUE**.
5) Locate **XLUserResource.ProvisionMode** and ensure the **Value** field shows **JAVA**.
6) Change the default user name policy.

By default, OIM uses the email address as the user name, but Unifier does not accept special characters (like the @ symbol) in user names. So you must change the policy.

a. Locate **XL.DefaultUserNamePolicyImpl**:
b. In the **Value** field, change **oracle.iam.identity.usermgmt.impl.plugins.DefaultComboPolicy** to **oracle.iam.identity.usermgmt.impl.plugins.LastNameFirstInitialPolicy**.

Updating Lookups

To update lookups:

1) Under **Configuration**, select **Lookups**.
2) In the **Search** window, enter **Lookup.USR_PROCESS_TRIGGERS** and click **Search**.
3) Select **Lookup.USR_PROCESS_TRIGGERS** and click on the **edit** icon.
4) In the **Edit Lookup Type** window:
   a. Click **Create Lookup Code**.
   b. In the **Meaning** field, enter **Change Email**.
   c. In the **Code** field, enter **USR_EMAIL**. Ensure it's in all caps.
   d. In the Enabled field, select the enabled option.
   e. Click on **Save**.
5) Click **OK** to close Lookups.

Creating a Sandbox for Non-Admin Users

The administrative user needs to hide the Administration menu from non-admin users in the Identity Self Service portal.

To hide the Administration menu:

1) Login to the Identity System Administration portal as an administrative user.
2) Select **Sandboxes**.
3) In the **Manage Sandboxes** tab, select the **Create Sandbox**.
4) In the **Create Sandbox** dialog box:
   a. In the **Sandbox Name** field, enter a name for the sandbox to identify its purpose.
   b. In the **Description** field, enter a description of the sandbox.
   c. In the **Activate Sandbox** field, select the option.
   d. Click **Save and Close**.
   e. On the confirmation message, click **OK**.
5) Logout of the Identity System Administration portal.
6) Login to the Identity Self Service portal as an administrative user.
7) Click **Sandboxes**.
8) Select the sandbox you created.
9) Select **Activate Sandbox**.

When the sandbox actives, the sandbox link in the top right corner will show the name of the sandbox you created.

10) Select **Customize** in top right corner.
11) In the **Editing Page Identity Self Service** toolbar, select the **Views** dropdown and select **Source**.
12) Select the **Administration** portion in the left navigation bar.
13) In the **Confirm Task Flow Edit** dialog box, select **Edit**.
14) Click **Edit** from the top bar.
15) In the **Component Properties: Administration** dialog box:
    a. In the **Show Component** field, click the arrow.
    b. Select **Expression Builder…**.
16) In the **Edit** dialog box:
    a. Select **Type a Value or expression**.
    b. Enter **#{oimcontext.currentUser.roles['SYSTEM ADMINISTRATORS'] != null}**.
    c. Click **OK**.
17) Click **OK** to close the **Component Properties: Administration** dialog box.
18) Click **Close** from top right to close the **Editing Page Identity Self Service** toolbar.
19) Select your sandbox and click on **Publish Sandbox**.
20) Click **Yes** in confirmation window.

    Your sandbox will disappear from **Manage Sandboxes**.
21) Logout of the Identity Self Service portal.
22) Login to the Identity System Administration portal as a non-admin user.
23) Verify that the Administration section is not visible.

Enabling Single Sign-On

To use OIM, ensure you have enabled Single Sign-On (SSO) and have Oracle Access Manager (OAM) and Oracle HTTP Server/Webgate managing SSO. See the Administrator's Guide for more information.

Configuring OIM 11g

Complete these steps before you begin connecting OIM 11g and Primavera Unifier.

1) Copy **OIMConnector.zip** to a local drive where you are planning to install and configure the OIM Connector.
2) Unzip the file to a local folder (this doc will use **CONNECTOR_HOME**).
3) Copy the **primavera-unifier-oim-connector.jar** (in **CONNECTOR_HOME/ JavaTasks/**) to **OIM_HOME/server/JavaTasks/**.

4) Copy all the jars from in **CONNECTOR_HOME>/ThirdParty/** to **OIM_HOME/server/ThirdParty/**.
5) Login to **Identity System Administration** as an admin user.
6) Under **System Management**, click **Import**.
7) In the Select a file to import dialog box:
   a. Go to **CONNECTOR_HOME/Resources/XML/**.
   b. Select **configuration_data.xml**.
   c. Click **Open**.
8) In the Deployment Manager dialog box:
   a. Verify the details and click on **Add File**.
   b. On the Substitution screen, click **Next**.
   c. In the **Provide IT Resource Instance Data** screen, enter the details for Primavera Unifier IT Resource and click **Next**.
   d. If you don't have anymore instances, click on **Skip**.
   e. In the **Confirmation** screen, click **View Selections**.
   f. Verify the details and click **Import**.
   g. In the **Success** dialog box, click **OK** at success window and restart OIM (or the server) if required.
   h. Close the import screen.
9) Under **Configuration**, click **Application Instances**.
10) Click the **Create** icon to create new application instance.
11) In the **Create Application Instance** screen:
   a. In the Name field, enter a name for the Primavera Unifier instance.
   b. In the Display Name field, enter the name you want to display for the Primavera Unifier instance.
   c. In the Resource Object field, select a resource object for Primavera Unifier.
   d. In the IT Resource Instance, select an IT resource instance for Primavera Unifier.
   e. Click **Save**.
12) Ensure the Catalog Synchronization job runs automatically. If it doesn't, run it manually.
13) Once the application instance completes, go to the Organization tab and add organizations to the instance if needed.

Once you have configured OIM and Unifier, you will need to provision *users* in OIM. See the following section.

Provisioning Users for OIM

Provisioning users will ensure you can manage (create, disable, modify) user's profiles through both OIM and Primavera Unifier. For more information on provisioning, see the documentation included with OIM.

> **Note**: Administrators cannot provision, update, disable, or enable *bidders* in OIM.

Creating Users for Primavera Unifier

To create users from OIM for Primavera Unifier:

1) Create an administrative user in OIM to match the Primavera Unifier administrator:
   a. Log in to OIM.
   b. Create an organization with the name **Site**.
   c. Create an Administrator user in OIM.
2) Sign in to Unifier as the Administrator that you created.
   a. Create the **ootb** company.
   b. Give the company a short name and authentication code.
3) Return to OIM:
   a. Update the **IT Resource** in OIM with the ootb information.
   b. Create an organization with the ootb short name.
   c. Create a non-admin user and assign the user to the ootb organization.
   d. In the **Accounts** tab, click **Request Accounts** to provision.
   e. Select the Primavera Unifier application instance you created.
   f. Add the instance to the cart.
   g. Click **Checkout** to provision.

Modifying, Disabling, Enabling OIM Users' Primavera Unifier Privileges

Refer to OIM11gR2 documentation for more information on creating, modifying, and removing users.

To modify or delete an OIM user's access to Primavera Unifier, follow the steps below.

To modify an account:

1) Select the user you want to modify.
2) In **User Details** page:
   a. Click **Modify User**.
   b. Update the first name, last name, and email address.
   c. Click **Submit**.

To disable an account:

1) Select the user you want to disable.

2) In **User Details** page, go to the **Accounts** tab.
3) Select the **Application Instance** you want to disable.
4) Click **Disable**.

To enable an account:

1) Select the user you want to enable.
2) In **User Details** page, go to the **Accounts** tab.
3) Select the **Application Instance** you want to enable.
4) Click **Enable**.

Setting up OIM for Bidder Integration

Since OIM is an enterprise-level identity management system that centrally administers user accounts and access privileges, OIM must also authenticate bidders.

Similar to Unifier users in an OIM-integrated environment, bidders can no longer change their passwords using the Unifier application interface. Bidders can only change their passwords from the OIM server, if the administrator has provided the OIM URL.

> **Note**: If an Administrator or a bidder change the first name, last name, or email address of a *bidder* in OIM, the records will not be updated in Unifer.

During bid invitation, Unifier creates *bidders* in OIM regardless of the bidders status (new or existing) and sends password.

> **Notes:**
>
> - Administrators cannot provision *bidders* in OIM.
> - Administrators cannot update, disable, or enable *bidders* in Unifier through OIM.

Workflow

a) Prerequisites
b) Reinstall and Reconfigure OIM Connector
c) Disable Email Uniqueness Validation in OIM
d) Import Configuration XML to create Scheduler Task
e) Create Scheduler Job and specifying parameters

Prerequisites

Ensure that you have:

- OIM and Unifier installed and configured properly.
- The latest version of OIM Connector.

- Configured OIM and imported OIM Connector.

Reinstall and Reconfigure OIM Connector

> **Note**: If you are installing the connector for the first time, you do not need to reinstall and configure the OIM connector. To continue, go to the "Disable Email Uniqueness Validation in OIM" section below.

1) Stop the **OIM** Server (For example: WebLogic OIAMDmain - Oracle_IDM2)
2) Copy “OIMConnector.zip” to the local drive (on your PC or Server). The local drive is where you install and configure the OIM Connector
3) Unzip the zip file to local driver and name the folder (For example: `CONNECTOR_HOME`)
4) Copy `CONNECTOR_HOME/JavaTasks/primavera-unifier-oim-connector.jar` and paste to `OIM_HOME/server/JavaTasks/`
5) Copy all the "`jars`" from `CONNECTOR_HOME/ThirdParty/` and paste to `OIM_HOME/server/ThirdParty/`
6) Start the **OIM** Server (For example: WebLogic OIAMDmain - Oracle_IDM2)
7) Log in to “Identity System Administration” with admin user’s credentials
8) Click **Import** (under “System Management”)
9) Select **configuration_data.xml** (`CONNECTOR_HOME>/Resources/XML/configuration_data.xml`) to import

When the Deployment Manger - Import window opens:

1) Verify details displayed under File Preview and click **Add File**
2) Verify details displayed under Substitution and click **Cancel Substitution**
3) Verify details displayed under Primavera Unifier IT Resource and click **Cancel IT Resource Modification**
4) Verify details displayed under Current Selections

   Note: You may need to expand Primavera Unifier Resource Object and Primavera Unifier Process selections.
5) Right-click **UD_PU_USERS** and click **Remove**
6) Ensure that you see the UD_PU_USERS file in the Objects Removed From Import section on the top right-hand corner of the Deployment Manger - Import window
7) Click **Import,** wait until you see the confirmation message, and click **OK**
8) Close the Deployment Manger - Import window

Disable Email Uniqueness Validation in OIM

By default, OIM prevents two users to have the same email address (email uniqueness). To change the default setting for email uniqueness, follow these steps:

1) Log in to **Oracle Identity System Administration**
2) Click **System Management** tab
3) From the left-hand pane, click **System Configuration**
4) In the Search System Properties field enter ***email*** (include the asterisks, or stars)

5) Press **Enter** on your keyboard or click the right-arrow icon to begin search

If property keyword “OIM.EmailUniqueCheck” is *not defined*:

1) Click **Actions** and select **Create** to open the Create System Property window and follow these steps in Create System Property window:
2) Provide the required System Information to define a new property as follows:
- Property Name: “Whether or not email should be validated for uniqueness”
- Keyword: “OIM.EmailUniqueCheck”
- Value: "FALSE"

1) When finished, click **Perform**

If property keyword “OIM.EmailUniqueCheck” is *defined*:

1) In the System Configuration pane (Search System Properties) click the keyword: **OIM.EmailUniqueCheck**
2) Verify the information presented in the System Property Detail window to ensure tha tthe Value is set to **FALSE**.
3) Click **Save** to complete changing the default setting for email uniqueness

Import Configuration XML to create Scheduler Task

1) Log in to **Oracle Identity System Administration**
2) Click **System Management** tab
3) From the left-hand pane, click **Import** to open the Deployment Manager - Import window

At this point, the file selector window opens allowing you to select the XML file for import, by default.

> **Note**: If the file selector window does not open, click **Add** File.

1) Select the XML file to import (For example: `CONNECTOR_HOME/Resources/XML/Primavera_Unifier_Reconciliation_Task.xml`)
2) Review the details of the file that you want to import
3) Click **Add** File to add the file to the Current Selections window (For example: `Primavera_Unifier_Reconciliation_Task.xml`)
4) Click **Import** and if prompted, confirm your selection
5) When finished, click **OK** to complete the import process and close the Deployment Manager - Import window

Create Scheduler Job and specifying parameters

1) Log in to **Oracle Identity System Administration**
2) Click **System Management**
3) Click **Scheduler** tab
4) In the Search Scheduled Jobs field enter ***** (asterisk or star) and click the right-arrow icon to see the existing Scheduled Jobs
5) Click **Actions** and select **Create** to open the Create Job window

6) Enter a name in the Job Name field (For example: `Primavera_Unifier_Reconciliation_Job`)
7) Click the magnifying glass (in front of the Task field) to open the Search and Select: Scheduled Task window
8) In the Search field enter ***** (asterisk or star) and click the right-arrow icon to search and retrieve a list of all tasks
9) Click to select your desired task (For example: `Primavera_Unifier_Reconciliation_Task`) and click **Confirm** to open the Create Job window
10) Review the contents of the Create Job window

    Note: The Create Job window has an additonal section: *Parameters*.
11) Complete the fields under Job Information, Job Periodic Settings, and Parameters, as follows:

- Start Date: Click the calendar icon and select a date (For example: `March 20, 2014 12:00:00 AM PDT`)
- Retries: (For example: `0`)
- Schedule Type: Select a desired option (For example: `Periodic`)
- Run Every: Enter a time period (For example: 5 mins)
- OIM Installation Location: (For example: `/apps/Oracle/Middleware/Oracle_IDM2`)
- OIM Server URL: (For example: `t3://slc05etq.us.oracle.com:14000`)
- OIM Admin User Name: (For example: `xelsysadm`)
- OIM Admin User Password: (For example: <password for xelsysadm user>)
- Unifier Server Protocol: (For example: `http`)
- Unifier Server Host: (For example: `host-pc2`)
- Unifier Server Port: (For example: `7001`)
- Unifier Admin Comp Short Name: (For example: `pcc`)
- Unifier Admin Comp Auth Code: (For example: <authentication code for pcc company>)

  Note: The values of the following fields are the same values as in Primavera Unifier IT Resource.
  - Unifier Server Protocol
  - Unifier Server Host
  - Unifier Server Port
  - Unifier Admin Comp Short Name
  - Unifier Admin Comp Auth Code

1) Click **Apply** to complete creating a scheduler job

For More Information

Where to Get Documentation

If you need help with an operation in Primavera Unifier, there are a number of resources to help you.

> **Note**: The Company Administrators for Unifier Cloud must use the *Primavera Unifier Cloud Service Administrators Setup Guide* instead of all the other installation and configuration guides in the Primavera Unifier Online Documentation Library.

Online Help

If you have a question or need further assistance regarding a specific feature, review the online help.

Click the **Help** menu from any Primavera Unifier window, and choose:

- **Unifier Help**: This link goes to the Oracle Technical Network (OTN) Primavera Unifier Online Document Library. From here you can access:
  - *Primavera Unifier Online Help*
  - *Primavera Unifier Administration Guide*
  - *Primavera Unifier User's Guide*
  - *Primavera uDesigner User's Guide*
  - *Primavera Unifier Reference Guide*

  You must have Adobe Acrobat Reader installed (available free at www.adobe.com).
- **BP-specific Help**: If your company has provided customized Help files for individual business processes, you can access them through the business process log or the Help menu.

> **Note:** For the full list of system requirements, supported software, and versions, see the *Tested Configurations* document under “Installation and Configuration Documentation” in the Primavera Unifier Online Documentation Library.

Documentation

Complete documentation libraries for Primavera Unifier releases are available on the Oracle Technology Network (OTN) at:

http://www.oracle.com/technetwork/documentation/default-1870233.html

From this location you can either view libraries online or download them to have local copies. We recommend viewing them from OTN to ensure you always access the latest versions, including critical corrections and enhancements.

Primavera Unifier is configured to access its help system directly on OTN. However, a downloadable version of the help system is also available on OTN if you need to download, deploy, and access a local copy.

The documentation assumes a standard setup of the product, with full access rights to all features and functions.

The following table describes the core documents available for Primavera Unifier.

Supplementary Documentation

Title	Description
What's New	Contains key enhancements in the current release of Primavera Unifier. All users should read this guide.
Cumulative Features Overview Tool	Provides an overview of features and enhancements included in Oracle Primavera products. It is intended solely to help you assess the business benefits of upgrading and to plan your I.T. projects. All users should read this guide.
Readme for Media Pack	Contains a table that can help you determine what downloads are required to run your licenses. All users should read this guide.
Licensing Information User Manual	Contains information about the third-party proprietary and open source software used in Oracle Primavera Unifier. All users should read this guide.
Where to Get Documentation, Training, and Support	Contains information about resources to help you with the operation of Oracle Primavera Unifier. All users should read this guide.

Installation Documentation

Title	Description
Primavera Unifier Installation and Setup Guide For WebLogic Application Server	Describes how to: ▸ Set up Primavera Unifier servers and third party services ▸ Install and configure Primavera Unifier components IT professionals who are installing and configuring the server environment, and the Primavera Unifier network administrator/database administrator and Primavera Unifier administrator should read this guide.

Title	Description
Primavera Unifier Installation and Setup Guide for WebSphere Application Server	Describes how to: ▸ Set up the Primavera Unifier servers and third party services on Linux (64-bit) ▸ Install and configure Primavera Unifier components IT professionals who are installing and configuring the server environment, and the Primavera Unifier network administrator/database administrator and Primavera Unifier administrator should read this guide.
Unifier Performance and Sizing Guide	Provides guidance for planning product deployment with: ▸ Estimates of hardware and software requirements for Primavera Unifier ▸ Recommendations for deploying small-scale to large-scale configurations The Unifier network administrator/database administrator and Unifier administrator should read this guide.
Unifier Upgrade Guide	Provides information on how to upgrade to the latest version of with Oracle Primavera Unifier. The Unifier network administrator/database administrator and Unifier administrator should read this guide.
Tested Configurations Previously: *System Configuration Information*	Provides the tested configurations for Oracle Primavera Unifier and includes list of applications and supported version levels. All users should read this guide. The Unifier network administrator/database administrator and Unifier administrator should read this guide.

Title	Description
Primavera Unifier Security Guide	Provides guidelines on how to plan your security strategy for Oracle Primavera Unifier. All users should read this guide. The Unifier network administrator/database administrator and Unifier administrator should read this guide.

Configuration Documentation

Title	Description
Primavera uClient Configurator Setup Guide	Describes how to set up the Primavera uClient Configurator. All users should read this guide.
Primavera Unifier File Transfer Utility Instructions	Describes how to download and install the Primavera Unifier File Transfer Utility. All users should read this guide.
uCAD Installation and User's Guide	Provides instructions on how to download and install the Primavera Unifier uCAD Application on your desktop and configure it to work with your AutoCAD® application. It also includes details on how to use uCAD with AutoCAD and Primavera Unifier. All users should read this guide.
Configuring BI Publisher for Unifier	Provides instructions on how to: ▸ Download BI Publisher. ▸ Configure BI Publisher settings. ▸ Configure BI Publisher in Primavera Unifier. ▸ Create BI Publisher reports. ▸ Run BI Publisher reports. The Primavera Unifier network administrator/database administrator and Primavera Unifier administrator should read this guide.

Title	Description
Configuring Unifier for Single Sign On	Provides procedures to configure Primavera Unifier that is running on Windows (64-bit) or on Linux operating systems for Single Sign On (SSO). The Primavera Unifier network administrator/database administrator and Primavera Unifier administrator should read this guide.
Connecting Oracle Enterprise Manager to Primavera Unifier Metrics	Provides instructions on how to enable Enterprise Manager to display certain Primavera Unifier metrics. The Primavera Unifier network administrator/database administrator and Primavera Unifier administrator should read this guide.
Connecting Oracle Identity Manager 11g to Primavera Unifier	Guides administrators in configuring Oracle Identity Manager (OIM) to be used with Primavera Unifier. The Primavera Unifier network administrator/database administrator and Primavera Unifier administrator should read this guide.
Connecting the Content Repository to Primavera Unifier	Provides instructions on how to: ▸ Configure Oracle WebCenter Content Core Capabilities after you install it. ▸ Configure Microsoft SharePoint after you install it. ▸ Configure CMIS-compliant repositories after you install one. ▸ Configure the Primavera Unifier File Repository. ▸ Set your content repository settings in Primavera Unifier to connect to your content repository. The Primavera Unifier network administrator/database administrator and Primavera Unifier administrator should read this guide.

User Documentation

Title	Description
Primavera Unifier Help	Provides topic-oriented information about Primavera Unifier to assist users with features and procedures. All users should read this guide.
Primavera Unifier User's Guide	Guides users on how to use Primavera Unifier application. All users should read this guide.
Primavera uDesigner User's Guide	Guides users on how to use the uDesigner feature of Primavera Unifier application. All users should read this guide.
Primavera Unifier Administration Guide	Provides details about the Administration Mode of Primavera Unifier, which covers access to Primavera Unifier functionality that is granted through permissions. All users should read this guide.
Primavera Unifier Project Controls User's Guide	Explains Oracle Primavera: ▸ Capital Planning which is used for managing budget forecasts (both planned and in execution) for the user company. ▸ Cost Controls which supports project tracking and project cost management. ▸ Project Delivery Management which is designed to optimize project results. Anyone who wants to use the Unifier Project Controls base product should read this guide.

Database Documentation

Title	Description
Primavera Unifier Reference Guide	Provides details about data definitions, data elements, permission settings, import codes, and pickers with Primavera Unifier. All users should read this guide.

Integration Documentation

Title	Description
Primavera Unifier Integration Interface Guide	Describes the methods required for the integration, and the data being passed, between Primavera Unifier and an external system. Anyone who wants to develop applications which interact with Primavera Unifier should read this guide.

Distributing Information to the Team

You can copy the online documentation to a network drive for access by project participants. Each team member can then view or print those portions that specifically relate to his or her role in the organization.

Where to Get Training

To access comprehensive training for all Primavera products, go to: http://education.oracle.com

Oracle Learning Library

The Oracle Learning Library (OLL) provides online learning content covering Primavera products. Content includes whitepapers, videos, tutorials, articles, demos, step-by-step instructions to accomplish specific tasks, and self-paced interactive learning modules.

To access the learning library's Primavera content, go to: http://www.oracle.com/oll/primavera

Where to Get Support

If you have a question about using Oracle products that you or your network administrator cannot resolve with information in the documentation or help, click http://support.oracle.com/. This page provides the latest information on contacting Oracle Global Customer Support, knowledge articles, and the support renewals process. For more information about working with Support, visit https://support.oracle.com/epmos/faces/DocumentDisplay?id=888813.2 to view **Support Tools & Tips**.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/us/support/contact-068555.html or visit http://www.oracle.com/us/corporate/accessibility/support/index.html if you are hearing impaired.

Using Primavera's Support Resource Centers

Primavera's Support Resource Center provides links to important support and product information. Primavera's Product Information Centers (PICs) organize documents found on My Oracle Support (MOS), providing quick access to product and version specific information such as important knowledge documents, Release Value Propositions, and Oracle University training. PICs also offer documentation on Lifetime Management, from planning to installs, upgrades, and maintenance.

Visit https://support.oracle.com/epmos/faces/DocumentDisplay?id=1486951.1 to access links to all of the current PICs.

PICs also provide access to:

- **Communities**, which are moderated by Oracle providing a place for collaboration among industry peers to share best practices.
- **News** from our development and strategy groups.
- **Education** via a list of available Primavera product trainings through Oracle University. The Oracle Advisor Webcast program brings interactive expertise straight to the desktop using Oracle Web Conferencing technology. This capability brings you and Oracle experts together to access information about support services, products, technologies, best practices, and more.

Additional Support

The following is a list of additional support that are available in Unifier:

- Unifier Help
- Unifier Library
- Contact Support
- Download Plugins
- About Unifier

> **Note:** The Contact Support and Download Plugins options both open a single window, Support. The only difference is as follows:
> - Contact Support opens the *Contact* tab of the Support window by default
> - Download Plugins opens the *Download* tab of the Support window by default

Unifier Help

Click **Help** from the upper right-hand section of the Unifier window to open a contextual menu and click **Unifier Help** to open the Unifier and uDesigner Help.

Unifier Library

Click **Help** from the upper right-hand section of the Unifier window to open a contextual menu and click **Unifier Library** to open the Unifier documentation library.

Contact Support

Click **Help** from the upper right-hand section of the Unifier window to open a contextual menu and click **Contact Support** to open the Support window.

The Support window has two tabs:

- Contact, which opens by default
- Download

In the Contact tab, Contact Information section, you can see the name, phone, and contact instructions of someone at your company that you can contact when you need help with Primavera Unifier. For assistance, try this person, first.

> **Note:** This information is available only if your company administrator has provided internal support contact information.

In the Contact tab, eLearning section, you see the location (Access), name of the contact (Contact), and any instructions that you might need in order to access the eLearning materials.

> **Note:** Your company may elect to provide access to the eLearning suite, where you can access interactive Primavera Unifier learning materials. Alternatively, your company may have its own customized support or training materials that can be accessed on an internal site/location. If your company administrator provides this contact information, it will be listed at the bottom of the window.

In the Download tab, Download section, you can see a list of the following application and plug-ins available to download, with installation instructions.

- File Transfer Application
- Unifier uCAD Plug-in

Each application and plug-in has two options:

- Download
- Installation instructions

Follow the links within each option to proceed.

Download Plugins

Click **Help** from the upper right-hand section of the Unifier window to open a contextual menu and click **Download Plugins** to open the Support window.

The Support window has two tabs:

- Contact
- Download, which opens by default

In the Download tab, Download section, you can see a list of the following application and plug-ins available to download, with installation instructions.

- File Transfer Application
- Unifier uCAD Plug-in

Each application and plug-in has two options:

- Download
- Installation instructions

Follow the links within each option to proceed.

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About Unifier

Click **Help** from the upper right-hand section of the Unifier window to open a contextual menu and click **About Unifier** to access version number, copyright information, and software agreement details for the Oracle Primavera Unifier.

Legal Notices

Oracle Primavera Prime Connecting Oracle Identity Manager 11g to Primavera Unifier

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